

Budget blues unrelenting

The University of Alberta is enmeshed in another deficit budget.

Vice-President (Administration) Allan Warrack, speaking at the 26 November meeting of General Faculties Council, said the 1990-91 operating budget, as approved by the Board of Governors, is \$2.9 million. That figure includes final settlements with the two staff associations and the arbitration award to the Graduate Students' Association.

It's a predicament that has Dr Warrack calling himself the Vice-President of Subtraction.

The Library/Computing fee dominated much of the discussion of the operating budget. The revenue from the controversial fee goes into the Consolidated Revenues Fund and demands are then made upon it. Several members of GFC, including student representatives and the Dean of the Faculty of Law, Tim Christian, argued that the fee should be channeled directly into the Library and computing services.

that students aren't afraid to pay it and \$2 or \$3 more if they know that they're contributing to student priorities.

Vice-President (Academic) Peter Meekison said the University is desperately short of money and that he makes no apology for introducing the fee. He also said the courts, after ruling that the University was entitled to charge the fee, gave the institution leeway in deciding just what the revenue will be used for.

An amendment by Karin Powys-Lybbe to the effect that money raised by the Library/Computing Fee is to be directed to the Library and computing services only was defeated, the count being 25 for and 34 against.

In his oral report to GFC, President Paul Davenport said the University faces a budgetary year more difficult than the last. He promised to keep the entire campus community abreast of the situation as budgetary parameters are received.

Council later approved the Operating Budget Principles,

AN AMENDMENT BY KARIN POWYS-LYBBE TO THE EFFECT THAT MONEY RAISED BY THE LIBRARY/COMPUTING FEE IS TO BE DIRECTED TO THE LIBRARY AND COMPUTING SERVICES ONLY WAS DEFEATED, THE COUNT BEING 25 FOR AND 34 AGAINST.

"What we really need here is honesty in advertising," Dean Christian said. By calling it the Library/Computing Fee but not necessarily directing the revenue into those two areas, Dean Christian said the University creates a false sense of expectancy concerning the services students rely on.

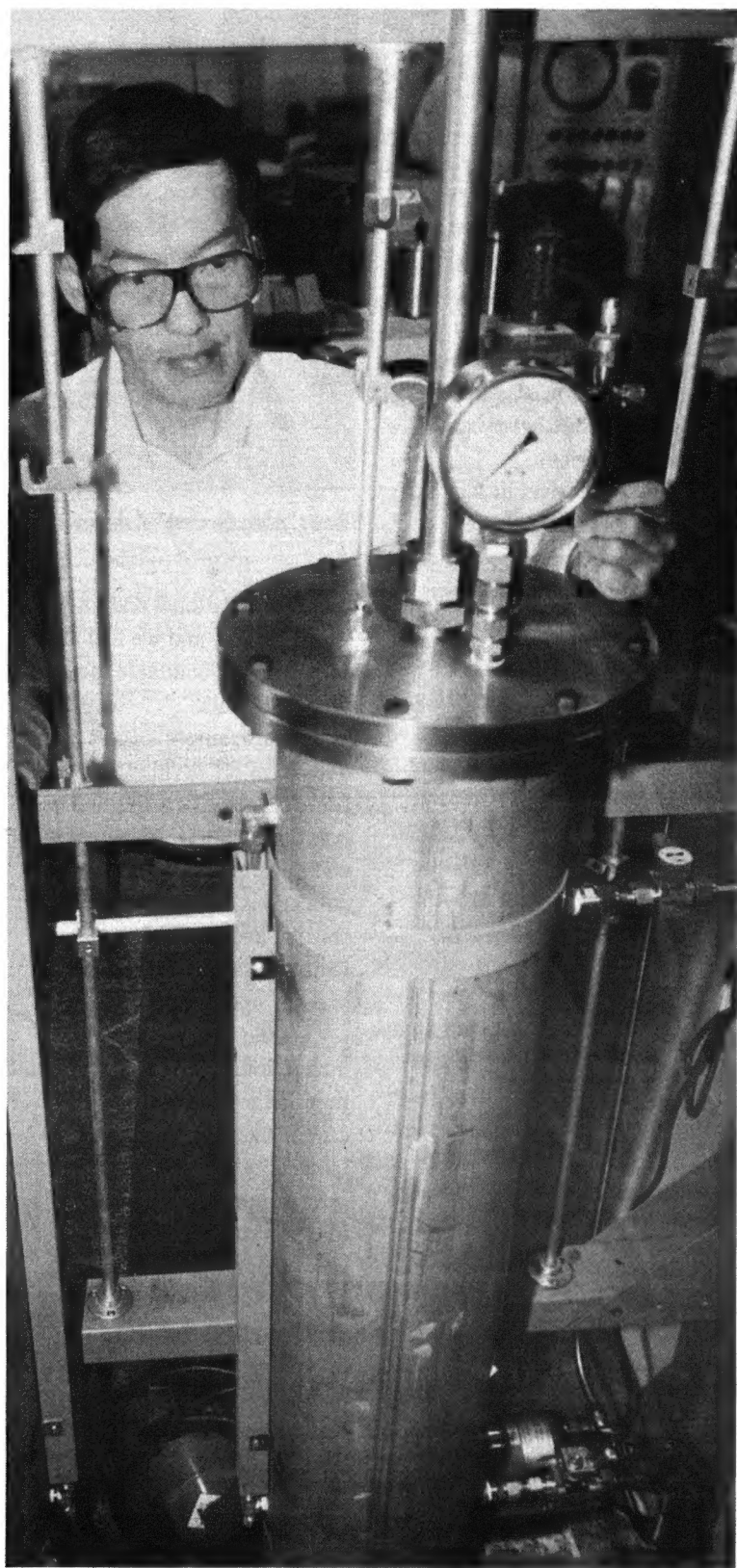
Gerwin Marahrens (Germanic Languages) said a number of students have told him that they will pay the fee and possibly a little more if the University deems it necessary if they know that their money is going to the library and computing services.

Students' Union President Suresh Mustapha told Council that the fee is now \$69 per term for full-time students and

Policies and Procedures for 1991-92.

The President also said, "We've determined we need more work on the mission statement." Vice-Presidents Meekison and Stanford are working on a revised draft that will go to Deans' Council, the Planning and Priorities Committee and other key bodies before being discussed by GFC at the end of January.

Asked about renovations to the animal care facilities in the basement of the Medical Sciences Building, President Davenport said the University is meeting with government in what he described as urgent sessions. The stumbling block remains the \$8.5 million price tag placed on the renovations.



Karl Chuang, dealing more effectively with pollutants. See story page 4.

INSIDE

- Library ready to discuss its five-year strategic plan
- Atlas of Alberta Lakes worth the wait
- Political action among nurses a must -- Ginette Rodger
- Pendulum marked GST swings closer

Library presents suggestions for the future

The University Library's Draft Strategic Plan 1990-1995, *Riding the Wave*, is really a framework for discussion with a wealth of suggestions for where we want to take Library services, says the Chief Librarian.

Ernie Ingles told *Folio* last week that the document contains a "definite view of the directions we want to go", and over the next several months there'll be ongoing discussions within the University about the recommendations.

Those recommendations, he hastened to add, are not cast in stone, but are fluid and flexible, and all three constituent groups, the broader academic community, the Library staff and the University administration, in general have to be on side before any changes occur.

He said the "overall thrust of the document is that we're moving toward more cooperative and collaborative relationships with our sister institutions. We feel that the will is there on a



Library "riding the wave" of change

provincial, national and international basis ... and we feel the technology is available to accomplish our goals."

The document's goals and objectives are divided into seven primary areas: libraries and new concepts of services; automation and information technology; collections and resource sharing; staffing and staff development; facilities and space; preservation; and key operational issues.

On the issue of developing instructional programs in information literacy, Ingles said it's crucial that students leave this University with the ability to get information, use it effectively and interpret it in a comprehensive way. "A great many units on campus have been providing these skills already," he said, citing Law, Medicine and Education as examples.

"What we're saying is that we want to enhance their efforts and build on them. In other areas, we're really starting from scratch."

SSHRC funds bibliographic database

The Curriculum Library has been awarded a Social Sciences and Humanities Research Council grant of \$22,540.

The grant is for 1991 and will be used to prepare a bibliographic database. This will include approximately 3,500 learning resources, curriculum guides, programs of study and other relevant government documents that were authorized for use in Alberta schools for the years 1885 to 1985.

On sharing resources, Ingles said it's no longer possible for university libraries to be strong in every area. "The accelerating costs and information proliferation is a world-wide phenomenon," he said. One of the draft strategic plan's recommendations calls on the University to support the need to change institutional values to one of sharing resources with other educational institutions.

Universities, he said, are already sharing serial subscriptions. Technology promises to speed up the sharing process considerably and will enable university libraries to cut down access time turnarounds. People aren't going to tolerate two- or three-week waiting periods and the objective is to use technology to cut waiting times down to as little as two, three or four hours.

"These evolutionary shifts in emphasis" will be carried out in concert with the broader University goals and objectives, Ingles explained, adding that basic

materials will still have to be carried. Collections of strength will continue to mesh with programs and areas of strength.

But if the University Library is not going to collect as extensively in one area, constituents will have to have some guarantees that the information will still be available from other institutions via technological links, Ingles explained.

"I want to stress that the tendency for people to see the document in black and white terms is not correct," he said, noting that collections will not simply be discontinued without any alternatives in place.

Ingles said other institutions are looking for allegiances with their counterparts and agreeing to maintain strong collections in complementary ways. For example, the U of C and U of A do this with medical journals.

"Our technology is 20 years old and is a myriad of disparate systems," said Ingles. What the University Library really needs now is an integrated system that can do the many functions more efficiently and cheaply. He estimated that an integrated, fully automated system would require a capital outlay of \$2 million.

A particular emphasis of the draft strategic plan is the need for stable funding. The most recent controversy over Library hours was really only the most recent indication of seven or eight years of funding cutbacks, said Ingles. "If we're continually trying to stabilize the situation after cutbacks, it really doesn't give us time to plan effectively."

Other budget-related issues include: the negotiation of a moratorium on budget adjust-

ments and stringency taxes; putting casual staffing costs into the base budget; possibly repatriating photoduplication services revenues; obtaining a share of the University's regular capital grant equal to the Library's percentage share of the University's operating grant; and developing an indexing formula to stabilize the purchasing power of the materials budget.

Ingles said the indexing formula proposal is meant to at least keep up with inflation, so the Library doesn't lose ground. He added that the materials budget has been skewed in favor of journals over monographs. Accordingly, one of the recommendations calls for the development of a policy for each discipline, which would recognize the varying dependence on serial/monograph literature, resource sharing possibilities and new formats.

On the issue of computing services, Ingles said the Library really doesn't have any control and it's a little like "losing your credit card." One of the draft strategic plan's suggestions calls for, in the absence of an agreement to stabilize computing expenses, a prorated charge-back to departments, which could be instituted, based on student enrollments, for catalogue access.

On staffing needs, Ingles said training and development is crucial, particularly in technological, financial, supervisory and managerial areas. "We need people capable of continuing to move along the cutting edge of change."

Space problems are also looming large. "The libraries are full with the exception of the John Scott and we've far exceeded our capacity," he said. The Library will need a remote stack facility somewhere in the city, a facility that can house 1.2 million volumes of research materials which over the next 15 years cannot be accommodated in existing buildings.

Other Library objectives in the plan up for discussion include: developing a multiyear capital budget to carry out the plan; working with Computing Services to develop an alternate charging algorithm for computing services; looking at departmental libraries to determine whether they should maintain unique resources or be amalgamated if possible; and achieving a balance between operational efficiency and service effectiveness by amalgamating collections and service points within the Library system.

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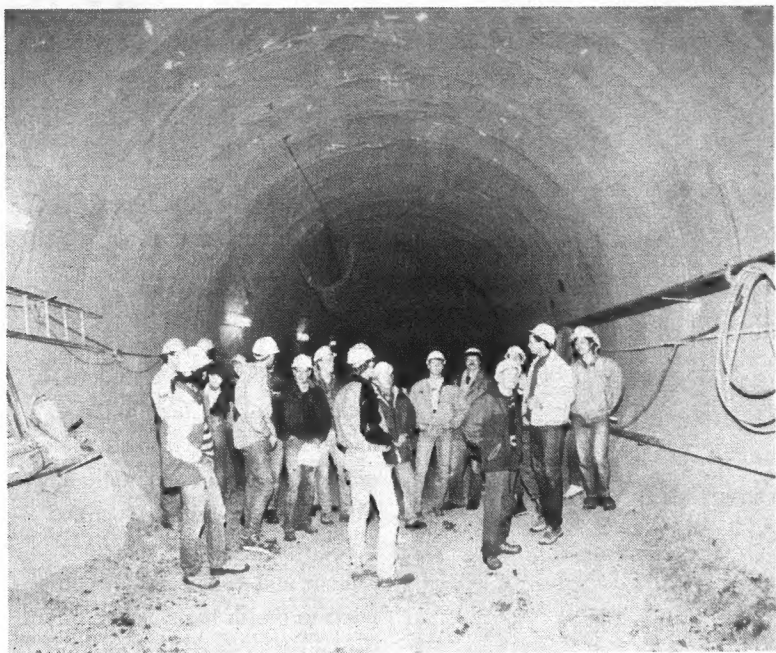
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University
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Some of the 108 Civil Engineering students who availed themselves of the 5th Annual SLRT Field Trip, 17 November. The event was organized by Professors Z Eisenstein and W Weir.

Atlas of Alberta Lakes well stocked with information

The *Atlas of Alberta Lakes* is at last ready for publication.

The joint project between the University of Alberta and Alberta Environment has been some five years in the making, but the results surely will be seen as justification of the amount of time and money invested, says Norma Gutteridge, Director of the University Press, publisher of the *Atlas*.

The book, measuring 10 3/8 x 14 x 2 1/2 inches, has 690 pages, and weighs three kilograms. Aside from its physical dimensions, however, the *Atlas* is big in conception and execution, being the first of its kind in Canada and

far bigger in scope and coverage than any atlas of lakes published in the world. "It contains an immense amount of information of use to lake users, particularly anglers, cottage owners, boaters, lake managers, and scientists, and, indeed, everybody who values Alberta's beautiful lake scenery and associated wildlife," Mrs Gutteridge says.

Two of the happiest people on 17 December will be the editors, Pat Mitchell of the Environmental Assessment Division of Alberta Environment and Ellie Prepas of this University's Department of Zoology. They have lived and dreamed the *Atlas* for the whole five years it has taken to research and write it.

To celebrate the publication of the *Atlas*, the University Press is giving a wine and cheese reception at University House on Monday, 17 December, between 5 and 6:30 pm. Everyone is invited, but those wishing to attend should notify Dianne Green at 492-3662 before 12 December.

Disobeying bicycle regulations will be costly

It's time to get with the program (read University of Alberta Bicycle Operating and Parking Regulations), says the Director of Campus Security.

The regulations, Doug Langevin points out, provide guidance to cyclists on proper parking and storage of bicycles on campus and are necessary to ensure access to buildings is not restricted, grounds personnel can perform necessary maintenance and damage and extra cleaning inside buildings is avoided.

"We will be taking more action to enforce the regulations," says Mr Langevin. Building Services and Grounds Maintenance staff have been asked to report violations. Mr Langevin says failure to comply with the regulations will result in:

- 1) a warning notice that the bicycle is improperly parked and will be impounded in 48 hours;
- 2) issue of a parking ticket bearing a \$5 fine plus a \$10 impound fee if the bicycle is impounded;
- 3) double locking of the bicycle with a Campus Security lock requiring the owner to report to Campus Security and pay a fine before the bicycle will be released.

Grounds Maintenance has instituted a program to improve bicycle parking facilities, Mr Langevin says. Space in a secure parking compound in Education Carpark can be rented for \$5 per month or \$25 per year. Secure bicycle lockers are available at Lister Hall.

LETTERS

BROCHURE'S IMAGERY OUT OF TOUCH WITH REALITY

I received Paul Davenport's letter of 16 November concerning the "Annual Fund" with both sympathy and concern for our financial plight. It was a helpful and informative letter. Then I spied the shiny brochure accompanying it and the roof blew off all my former thresholds of incredulity. On the cover of this brochure is a black and white photo of a Cambridge-like undergraduate. He is sitting in the antiquity of a homey library with an expression that borders more on the coy amusement of recalling the May Ball than it does on the inspiration which, in the good old days, presumably poured like Niagara Falls from his securely perceived future. It is bravely entitled "when dreams come true". Then you flip open the brochure and literally, like *Mad Magazine*, a flush of colors sweeps you up into a gaudy galaxy of unintended visual irony. Under the spartan heading "these days dreams are harder to reach" we find a young woman sitting in the midst of a material euphoria including a deluxe double cassette, high dubbing tape deck; her own PC with an enormous U of A panda bear stuffed before it in a chair; and a Walkman quietly poised on the horizon of all this affluence. She reminds me of Bob Dylan's lines "and Mona Lisa must have had the highway blues, you can tell it by the way she smiles". I wondered how could anyone so lavishly equipped have time for dreams? Certainly there is no want for material items here. So what is the point of this? If such imagery gets outside the University what will the average parent, or prospective contributor to the U of A, who may not even have such possessions themselves, wonder about the pampered implications of the photo? What are undergraduate students to think, if this is supposed to be the true image of those presumably hampered by the chains of underfunding in achieving their dreams?

Whoever dreamt up this glossy little tidbit of advertising is utterly out of touch with everything that was in Paul Davenport's letter. Someone should have caught the absurd contradiction within this truly ludicrous

image. It is utterly misleading and, I'm sorry to say, vacuous. This is no way to sell a university and perhaps that intention is the problem.

John England
Professor of Geography
and McCalla Professor

TEACHING/RESEARCH BALANCE AN EMOTIONAL TOPIC

My comments (22 November 1990 *Folio*) before the Commission of Inquiry on Canadian University Education should be clarified. The overall tenor of the various articles indicated that the teaching aspect of academia was suffering. There was no intent to suggest that this is strictly the consequence of resources being directed towards research. There are numerous contributing factors. However, over the past approximately four years I have, through my involvement with the AAS:UA External Relations Committee, been made aware of considerable discontent among many academics, across many Faculties. This discontent was related to a feeling that teaching was under-appreciated when compared to research. Since the mandate of the Commission was directed towards teaching, I believed that it was my responsibility to express the aforementioned view, and I did so.

As someone active in both spheres, the enormous benefits of research, to teaching, are very clear to me. My personal belief is that teaching and research have a symbiotic relationship. In fact, the point that teaching encompasses both undergraduate and graduate levels was clearly made to the Commission. Those academics whose most substantive impact is on the 'research side' must not feel that their efforts are under-appreciated. Should such a slight be perceived, it was most certainly not intended. The teaching/research balance is an emotional topic and perhaps this is an opportune time for a forum to address the issues.

Franco M Pasutto
Associate Professor of
Pharmacy and
Pharmaceutical Sciences

EQUALITY AND RESPECT: REFERENDUM ADVOCATED

In my submission to the President's Commission on Equality and Respect I have proven that sexism is not restricted to males but it is freely practised by some feminist women. Needless to say, my opinion was completely ignored. The reason is obvious: Dr [Dianne] Kieren, the head of the commission, advocates "top-down leadership in the principles of equality and respect" (*Folio*, 8 November 1990). Top-down leadership is based on the idea that people at the top know better than the rank and file. Considering the nature of the present question this cannot be accepted and somehow it seems to me that it is the very opposite of the equality principle. Furthermore, when top-down leadership prevails it makes most people hesitant to express an opinion contrary to those advocated at the top.

Dr [Lois] Stanford declares that "perceptions are important evidence" (*Folio*, 8 November 1990) to prove discrimination. If we accept this view, we must realize that policies in such important questions should not be devised based on the "perceptions" of a selected few. If we go by "perceptions" then everybody's perceptions should be sought. That can be achieved by a referendum only.

For this reason I ask the administration to call a referendum on the question of whether women feel that their careers are hampered—not by motherhood—but by male sexism. To find a good benchmark we should at the same time ask the men on campus whether they feel that their careers are hampered by female sexism. If a considerable proportion of women on campus will answer yes to this question then I will bow my head in great humility and I will admit that I have been wrong. However, if the result is the opposite I will expect my opponents to do the same and to agree to dismantle the many "Women's Issues Contact" centres on campus. (I counted ten on the back page of the latest AAS:UA newsletter.) Any saving is welcomed in these penny-pinching days.

Edit Gombay
Assistant Professor
of Statistics and
Applied Probability

Blue ribbons to Graham, Osborne

William Graham (Chemistry) and Lyndal Osborne (Art and Design) have been chosen as the recipients of the 1991 J Gordin Kaplan Award for Excellence in Research.

The awards, named for the University of Alberta's first Vice-President (Research), will be

presented 13 March at 8 pm in TL-11 Tory Turtle. Professors Graham and Osborne will each deliver a lecture which will include their views about their field and its importance to society.

In the weeks ahead, *Folio* will profile each recipient.

Out, damn organics!

Delineating distance education's role

The role of distance education in remote and northern communities will be examined at a two-day forum at Lister Hall.

When the last word has been spoken on 11 December, participants should depart with a better understanding of the links between sustainable community development and distance education.

The Canadian Circumpolar Institute is basing the forum on the perspectives of educators, northerners, researchers and business people.

The program includes papers in small group workshops in the following areas: teacher training programs in northern and remote communities, business trends and uses of distance training methods, trends in northern development in Alberta, approaches to sustainable development, and international perspectives on current trends and initiatives in Commonwealth countries and La Francophonie.

There will also be two panel discussions and a like number of audio teleconference sessions. The latter reach Lister Hall from England and the University of Botswana.

There are registrations from Newfoundland to B.C., says conference coordinator Denis Wall. Approximately 100 people are expected to attend.

Speakers include Ross Paul, Acting President of Athabasca University; Dennis Sharpe, Labrador Native Teacher Training, Memorial University; Pat Larson, director, Distance Education, AVC, Slave lake; Jean Watters, director of Adult Education, Université de Sherbrooke; Ron Blake, Assistant Deputy Minister, Alberta Economic Development; and Margaret Fidler, director, Northern Native Communications, Ontario.

Among the University of Alberta representatives are Margaret Haughey (Educational Administration), Michael Asch (Anthropology) and Richard Price (School of Native Studies).

Further details on the forum are available from Denis Wall, 492-4999.

Industrial members of the Institute for Chemical Science and Technology are hoping work being conducted by a University of Alberta chemical engineer will lead to a marketable process for removing and destroying volatile organics in waste waters.

Karl Chuang has received \$86,620 over two years from ICST's research program and a matching grant from NSERC totalling \$86,900 to examine the use of catalysts which retain their activity in a wet environment as a means of desorbing and destroying pollutants in a single trickle bed reactor.

"I'm interested in treating industrial wastes," says Dr Chuang, "and removing volatile organic compounds from waste waters." For example, there are a lot of volatile organics in the waste waters from pulp and paper plants, he points out, adding that another example would be underground water supplies contaminated by some organics from people using solvents.

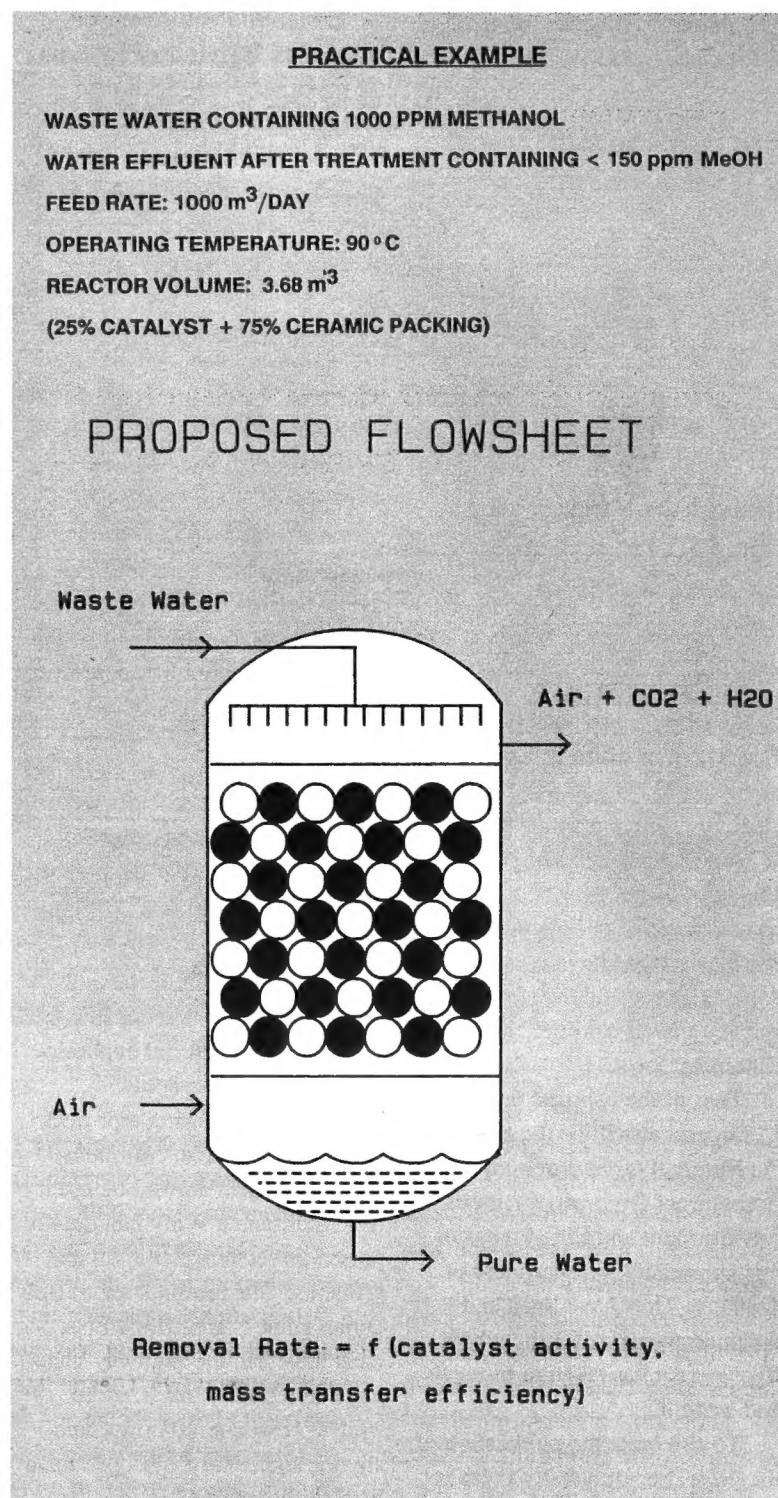
He said gasoline tanks, some of which are very old now, are starting to leak into underground water supplies and, of course, refining and chemical processing also contributes to the contamination of fresh water supplies.

"So the question is how do you remove it?"

Airstripping, a process in which contaminated waste waters are poured into a column filled with packing materials and air is then introduced into the bottom of the column, has been used to clean contaminated waters. "So the air leaving the column will carry some of the volatile organics; it's just a transfer from the liquid water into the airstream because of the volatility of the organic compound.

"In the past, people tended to let these contaminants escape into the atmosphere," Dr Chuang explains. "But now people are arguing that we should not pollute the atmosphere. In that sense, airstripping only moved the organic compound from water into the airstream. The water may be pure and drinkable, but the air is contaminated."

Another option, carbon



absorption, such as that used in household water supplies, has its problems as well. "When it's spent, nothing will happen and you won't know when exactly the carbon has to be replaced. Secondly, for industrial use, you need large quantities and it's very expensive," he says, adding that there's also the problem of disposal.

Dr Chuang's method, however, involves the use of oxygen to oxidize the organic compounds. "The trouble is there is no catalyst that will remain active in water—if you throw the catalyst into the water, essentially it cuts off oxygen, and yet the reaction

requires oxygen to react with the organics."

That's where Dr Chuang's background in working with water repellent catalysts comes in. He points out, for example, that catalysts coated with teflon are water repellent. "So if you trickle the water on these catalysts, you then allow oxygen to penetrate into the catalysts; as well, the organics that have already been transferred from the water to the air are allowed to get to the catalyst at the same time.

"Then, the oxidation takes place and it becomes carbon dioxide and water. So when the airstream leaves the column, it

only contains a little bit extra of carbon dioxide and water, which is benign to the environment."

Dr Chuang, who has the assistance of one postdoctoral fellow and a graduate student in the chemical engineering field, has been working with alcohols, including ethanol and methanol. They've moved on to so-called BTX, which contains benzene, toluene and xylene, major components in motor fuels. In the future, they want to work with phenols and possibly chloro organic compounds.

So far, with a year's work under their belts, Dr Chuang says indications are that the process works very well. He'll be meeting with representatives from Exxon Chemical and PetroCan to discuss his work.

"If we're successful and it is economic, certainly somebody has to take it one step further and establish a pilot project demonstration. It's not for the University to do that kind of research," he says, adding that perhaps one of the ICST member companies would fulfill that function.

ICST funds research related to and which could benefit Canadian chemical, petrochemical and petroleum processing industries. It's primary objective is to carry out collaborative, pre-competitive research, but waste management and environmentally related research is high on the ICST agenda as well.

Dr Chuang, who has for a long time been interested in separation technology and purification processes, says ICST fills in some gaps for university researchers (membership is open to Canadian universities with programs in chemistry or chemical engineering programs).

"A lot of university researchers apply to NSERC for operating grants and strategic grants, and there's really no other granting agencies that will fund pre-competitive research," he says. "So far," says the U of A's representative on ICST's scientific advisory committee, "all the projects they've supported have been successful. It also demonstrates that industry and universities can work together quite well."

Moore leads Department of Family Medicine

David Moore has been appointed Professor and Chair of the Department of Family Medicine, effective 1 September 1990.

Dr Moore, a native of Newfoundland, was previously Associate Professor of Family Practice and Assistant Dean for Continuing Medical Education at Memorial University of Newfoundland.

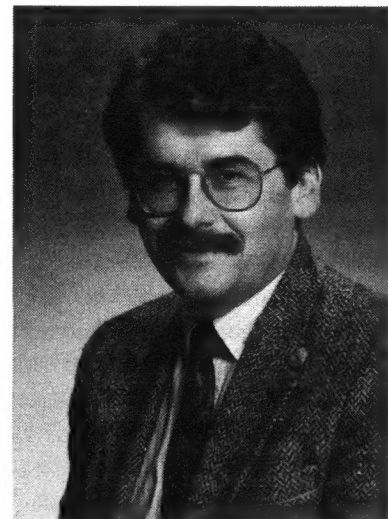
After receiving his medical degree from Memorial in 1973, Dr Moore completed a three-year residency in Family Medicine at Queen's University and obtained his CCFP in 1976. He worked extensively in the Canadian North for Health and Welfare Canada before joining the faculty of Memorial University.

Dr Moore is the current

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Chairman of the Board of the College of Family Physicians of Canada. His research interests are medical education, health care delivery and infertility.

Within the Department of Family Medicine, Dr Moore is a teacher, clinician, researcher and administrator.



David Moore

Bank of Canada Governor walks into lions' den

The Governor of the Bank of Canada walked into the proverbial lions' den last Thursday and, like Daniel, walked away from the experience unscathed.

John Crow, on campus to talk about the role of the Bank of Canada and the economics of monetary policy, defended his interest rate policies. "Achieving and maintaining price stability is our aim," he said, noting that British economist John Maynard Keynes made the case for price stability some 70 years ago.

Crow said the Canadian economy, and all other major economies of note, are based on money and it is simply not reasonable to believe that an economy based on money will work as well if the currency is not stable. "We are shortchanging ourselves and the economy if we don't aim for price stability."

Some people point out that it would be more reasonable to attempt to maintain a stable rate of inflation, since it's clear that while we attempt to maintain price stability, inflation still exists. Stabilizing inflation at whatever it happens to be, said Crow, would amount to a one-way option headed in one direction.

Not only does that risk an upward spiralling of inflation, he said, but it also introduces a fundamental asymmetry into the system. "It's not really as reasonable as it sounds, but many people believe it though."

EVENTS OF 6 DECEMBER 1989 NOT FORGOTTEN

The University flag on top of the Administration Building will be at half-mast from 6 to 10 December. The flag will be lowered out of respect for the 14 female students slain at Ecole Polytechnique in Montreal, 6 December last.

Nursing playing host to huge conference

The Faculty of Nursing will be playing host to an international, interdisciplinary conference—the first of its kind—on qualitative health research.

The conference, which will take place 22 and 23 February at West Edmonton Mall's Fantasyland Hotel, will be attended by health professionals, including nurses, physicians, speech therapists and dentists.



John Crow, Governor of the Bank of Canada.

In its last annual report the Economic Council of Canada suggested the central bank should, at times, ease up on its fight against inflation. But Crow disagreed and argued that it requires a great deal of consistent commitment to fight inflation and the Bank of Canada does not want it to begin.

On the contentious issue of high interest rates and the impact on the Western Canadian economy, Crow said the argument that high interest rates are harder on the West than on other parts of the country has "precious little empirical evidence in Canada to support it."

"I've heard this applied to Quebec as well," he said, "but I'm not sure it applies particularly well to British Columbia or Alberta. You can't take this argument very seriously if you look at the facts," he said, dismissing the idea of establishing regional monetary policies.

Crow said some people argue that the tightening up which occurred in the late 1980s was unfair to Alberta. But the province was not immune to inflation, he pointed out.

Responding to the contention from one questioner that the interest rate policies were primarily dictated by Ontario, Crow

pointed out that it is true that that province's share of the country's gross domestic product is slightly more than 40 percent. "So any national numbers that we look at has this factored in."

On the performance of the Canadian economy, Crow said there are no easy answers when it comes to the question of how Canada gets itself out of the recession. He said for the past three years, Canadians have purchased, for example, cars and homes, and the spending was bound to slow down. Clearly, the economy goes through these cyclical trends, but Crow predicted that the extremes will likely not be as bad this time around when compared to the period of the early 1980s.

On the global economy, Crow, who cut his teeth at the International Monetary Fund before going to work at the Bank of Canada, said he was worried about the fiscal situation in the United States and in Germany. He said the lesson to be learned from the "Eastern European pickle" is that direct controls have a limited shelf life as a macroeconomic tool.

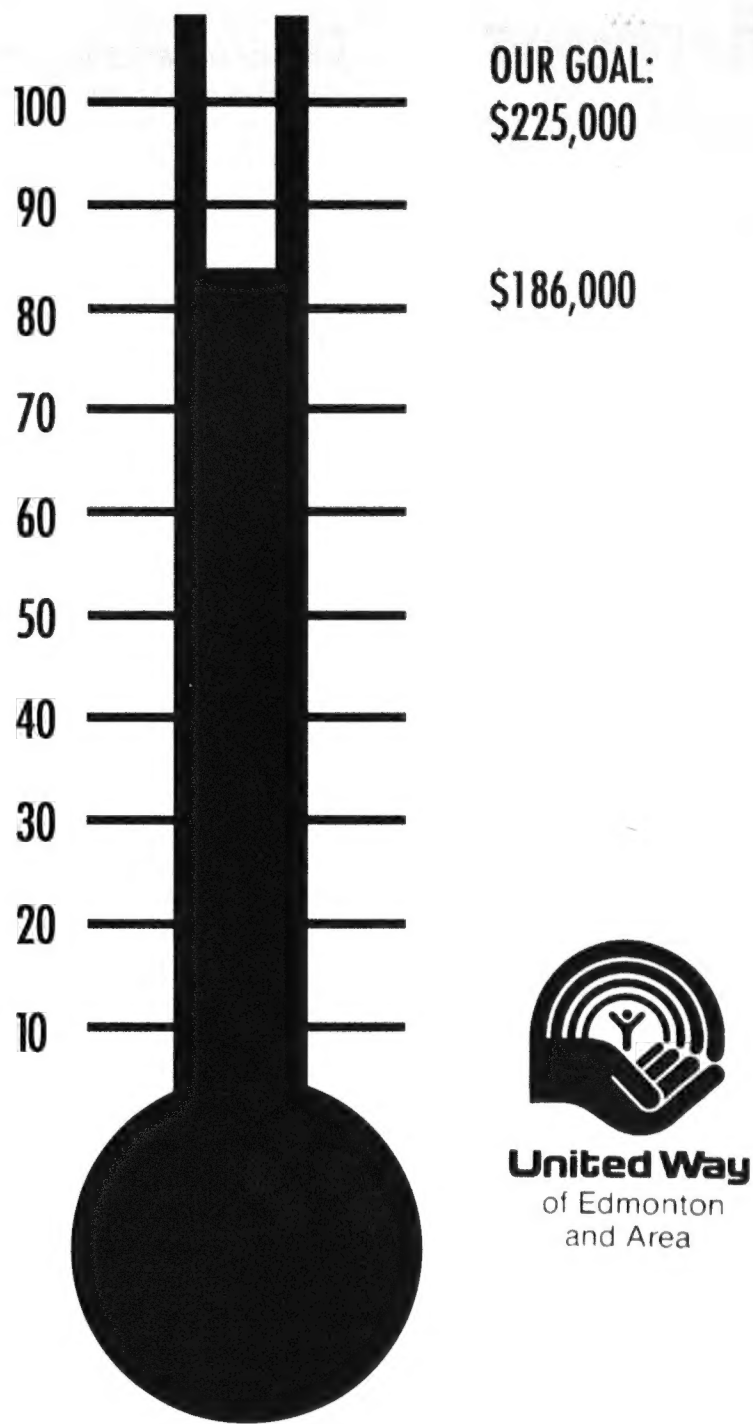
The situation is "an eloquent testimonial for supporting market-based economies."

These clinicians, researchers and health educators from six continents will present 222 papers in seven concurrent sessions during the two days.

Keynote speakers will be Yvonna Lincoln of Vanderbilt University and Arthur Kleinman of Harvard University. Dr Lincoln is best known as a qualitative methodologist specializing in education and evaluation research.

Dr Kleinman is a psychiatrist and anthropologist who has published extensively on illness and conducted research on mental illness in China.

Topics are varied and include the presentation of completed research and discussions of research methods. For further information, contact Jan Morse at 492-6250, or at 5-122 Clinical Sciences Building.



Nursing students urged to become more active politically

Political action among nurses is absolutely essential if they are going to be in control of the health care they provide, says Ginette Rodger.

In a 26 November brown-bag seminar hosted by the Nursing Graduate Students' Association, Ms Rodger said that political action is more than back-room dealing among "good old boys," and encouraged University of Alberta nursing students to be more active politically.

Effective political action, she emphasized, must be systematic and thorough. The process includes careful analysis of influential factors and key players—both supportive and opposed—and of prevailing institutional trends and concerns.

Timing is critical, she said, as is adaptability. But when the process is faithfully followed, she claimed, it will work for any goal and in any professional or social context.

One of her earliest political efforts was in the 1970s.

While working on her master's degree in Montreal, she was

one of 12 nursing graduate students who drafted a new definition of nursing one evening around a kitchen table. Within two years, those 12 had mobilized 30,000 nurses in Quebec and enacted what was, at the time, some of the most progressive nursing legislation in the world.

Some of her most recent political action work has been in Alberta, working with other students to gain approval for a PhD program in Nursing at the U of A. She is currently taking graduate courses and hopes they will soon count toward a PhD. Having carried out her political action work both nationally and internationally, Ms Rodger says, "I have yet to see it fail. I have yet to see a situation where we have used this process systematically, that it has not been successful."

Past president of the Canadian Nurses Association, Ms Rodger has been working for nearly 20 years for the benefit of her profession. Her efforts have been recognized with two honorary doctorates, one in law and one in nursing.

Armour calls for scientific balance

The de-masculinization of science will happen as more women enter the field, and the result will be much healthier science, says Margaret Ann Armour.

Speaking last week on "The Culture of Science: How it

Influences One Women's Thought", Dr Armour (Chemistry) said at this point science is generally not very highly thought of, but it is ripe for change.

"I don't want us to simply say that masculine science is bad and feminine science is good," she said, but one of the more positive outcomes of the feminization of science will be that scientists would more readily see themselves as part of the natural world and respectful of it, rather than simply wanting to dominate it.

She said that over time society has constructed science in such a way that the characteristics

normally equated with masculinity, such as rationality, aggression, detachment, objectivity, domination and reductionism, have been equated with "good science."

"Our culture has said that that's what we value," she said. The characteristics normally ascribed to femininity include being emotional, submissive, connected, intuitive, nurturing, contextual and prone to minimizing disaster. "I want our culture to recognize that there's good science here to," she said, pointing out that "science is not always rational and sometimes serendipity is involved."

"I believe that science is one of the supreme examples of superb intellectual endeavor, but I refuse to be an anti-scientist because it's dominated by males."

Dr Armour, a driving force behind the establishment of Women in Scholarship, Engineering, Science and Technology (WISEST), said she found herself encouraging young women to go into science. By 1986-87, a number of initiatives were being tried, but the proportions weren't changing, she said.



Margaret Ann Armour

"I began to wonder why. It must be more than just social and cultural barriers," she said, adding that that realization caused her to reexamine the nature of science more closely.

Dr Armour's talk in the Contemporary Cultural Issues Series was sponsored by the Women's Studies Program and the English Department.

EVENTS

TALKS

CLOTHING AND TEXTILES

6 December, 1 pm
Crystal Dawley, "The Secrets of Wool Degradation." 131 Home Economics Building.

13 December, 1 pm
Osei-Ntiri Kwabena, "Development of Procedures to Measure the Static Discharges from a Clothed Person." 131 Home Economics Building.

HISTORY

6 December, 3 pm
Brian E Tittley, "Emperor Bokassa of Centrafrique: The Myth and the Mythology." 2-58 Tory Building.

SLAVIC AND EAST EUROPEAN STUDIES

6 December, 3:30 pm
Irena Sawicka, Institute of Slavic Studies, Polish Academy of Sciences, Warsaw, Poland, "Changes in the Polish Phonemic System Over the Last 50 Years." 141 Arts Building.

GEOGRAPHY

6 December, 3:30 pm
Mel Reasoner, "Lake Quaternary: Paleoenvironmental and Paleoclimatic Reconstruction in the Central Canadian Rocky Mountains." 3-36 Tory Building.

PHYSICS

7 December, 2 pm
A MacDonald, Queen's University, "The Sno Project." V-129 Physics Building.

SOCIOLOGY

7 December, 3 pm
Joel Novek, Department of Sociology, University of Winnipeg, "Hard Copies, Hard Choices: Paper Pollution in the Information Society." 5-15 Tory Building.

CANADIAN CIRCUMPOLAR INSTITUTE

7 December, 3:30 pm
Patricia A McCormack, curator of ethnology, Provincial Museum of Alberta, "Saving Canada's Wild Bison: A Century of Management in the Wood Buffalo Park Region." M-145 Biological Sciences Centre.

CENTRE FOR INTERNATIONAL BUSINESS STUDIES

11 December, 7:30 am
Jim Dunn, "An Introduction to International Marketing." \$10 (light breakfast included). Registration: 492-2225. Business Building.

SOIL SCIENCE

13 December, 12:30 pm
WB McGill, "The Science of Soils: Elemental Cycles as Heuristic Tools." 2-36 Earth Sciences Building.

CANADIAN INSTITUTE OF UKRAINIAN STUDIES

14 December, 7:30 pm
Yurii Lutsenko, Institute of Literature, Academy of Sciences, Kiev, "Early Ukrainian Literature." Heritage Lounge, Athabasca Hall.

ARTS

EXHIBITIONS

FAB GALLERY

Until 9 December
"Allen Ball paintings"—the final visual presentation in partial fulfillment of the requirements for the MVA.

12 to 21 December. "Staff Shows 1990—Part I"—painting and sculpture. Gallery hours: Sunday, 11 am to 5 pm; Monday and Saturday, closed; Tuesday, Wednesday and Friday, 10 am to 5 pm; Thursday, 10 am to 8 pm. 1-1 Fine Arts Building.

MC MULLEN GALLERY

Until 25 January
"Serendipity"—an exhibition featuring seven Alberta artists. Call for gallery hours: 492-8428 or 492-4211.

BRUCE PEEL SPECIAL COLLECTIONS

Until 23 February
"Women Writing: Five Centuries of Verse and Prose"—an exhibition in celebration of *The Feminist Companion to Literature in English*. Hours: Monday and Friday, 8:30 am to 4:30 pm; Tuesday to Thursday, 8:30 am to 6 pm; Saturday, noon to 5 pm; Sunday, closed.

MUSIC

6 December, 8 pm
Student Chamber Music Performances. Convocation Hall.

FILMS

Germanic Languages
11 December, 7:15 pm
"Tschetan, Der Indianerjunge" (1972). Western, German with English subtitles. 141 Arts Building.

GST: University faces cost increase of 2.3 percent

How the GST might affect the University of Alberta is anybody's guess at this point. The one point of agreement is that the new tax will cost the University, although that cost will certainly be less than the 7 percent bite put on consumers.

The University is expected to see an overall cost increase of 2.3 percent, after claiming its 67 percent rebate on GST payments for educational items. Comptroller Louis Jamernik estimates that "The University will have a cost absorption in the neighborhood of 1.5 to 2 million dollars annually."

Not all budgets will feel the effect equally. Mr Jamernik says, "The most significant impact will be on operating and capital budgets, and on research." In fact, the GST will have a greater impact on any university with a high component of research work, such as the U of A, than on other postsecondary institutions, because exemptions under the existing Federal Sales Tax (FST) will be lost under the GST (the University is now paying less than one percent FST on overall purchases).

The Library will feel the effect as much as anyone, since books and journals also will be taxed for the first time. However, Marlene Sherban, Head of Financial Systems and Analysis for University of Alberta Libraries, says that this will increase Library workloads because about 70 percent of Library materials are purchased outside Canada. What the cost

increase means for the future of degree programs or enrollment caps is unknown. University officials say it is difficult to predict the effect of the GST alone when costs are increasing for so many reasons.

Students, in the meantime, are concerned about meeting the increased cost of their education. Students' Union president Suresh Mustapha points out that students also face increases in tuition and University residence rents, along with steady inflation. The GST will raise the already-high cost of textbooks and, he says, "that makes it more difficult to get an education." Mr Mustapha is disappointed that the government has not exempted textbooks from the new tax. "That's something that would have made a significant difference for students."

One clear effect of the GST will be a need for more staff in the Comptroller's Office, in Materials Management and possibly in the Library. Jack Bendle (Materials Management) says, "We expect the present workload in Customs and Traffic to double," and Ms Sherban says the new tax means massive paperwork to account for Library transactions. "If the requirements stay the same as they are now, our staffing needs will increase," she says, stressing that "if." "The requirements seem to be like shifting sands. It's almost a full-time job to keep up with the rules."

The tax will cause more headaches in some areas than in others. For example, Physical

Education will have a great deal to sort out because their facilities are used for multiple purposes: students using the facilities as part of a degree program will not have to pay the tax, nor will disabled persons or children under 14, but everyone else must be charged the seven percent.

The impact on the Bookstore appears to be among the most straightforward. The University proposes to treat the Bookstore as if it were a commercial business, that is, charging the full seven percent on all purchases to students, staff, and departments, and then claiming a 100 percent input tax credit. The Comptroller's Office then would claim the proper rebates for each department's purchases. The Bookstore's Financial Records Supervisor, Dick Ferguson, says, "We're just trying to find the easiest way for the University, at the least cost. This is the option we favor, and it is up to Revenue Canada to agree to it or not."

Mr Bendle, the University's primary contact person for the GST, says that while the tax is fairly simple for regular commercial enterprises, it has far more complex ramifications for universities, municipalities, schools and hospitals. He says, "We will probably be working for at least the next two years with Revenue Canada, getting rulings on various things."

POSITIONS

The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.

ACADEMIC

CHAIR, DEPARTMENT OF FAMILY STUDIES

The Faculty of Home Economics invites applications for the position of Chair of the Department of Family Studies. The successful candidate will provide leadership to a diverse academic department offering

both undergraduate and graduate programs. He/She must have a PhD, demonstrated achievement in research, and experience with teaching and graduate advising.

The position is restricted to members of the Faculty of Home Economics.

The appointment is effective 15 January 1991.

A letter of application should be submitted by 31 December 1990 to: Dr E Murray, Dean, Faculty of Home Economics, 115 Home Economics Building, University of Alberta, Edmonton, Alberta, T6G 2M8.

EXECUTIVE ASSISTANT TO THE DEAN, FACULTY OF ARTS

The Faculty of Arts invites applications for the position of Executive Assistant to the Dean commencing 1 February 1991. Reporting directly to the Dean, the Executive Assistant is responsible for planning in the areas of finance, space, building management, and administration. The incumbent advises the Dean, Associate Deans and Chairs regarding management of operating and capital budgets; conducts studies of resources, staffing, workloads, space, and statistics; and is one of the prime resource people in matters pertaining to leaves, appointments, and salaries and promotions. The incumbent also serves as secretary to the Dean's Advisory Council, Chairs' Council and the Faculty Salaries and Promotions Committee.

The successful applicant will have an excellent knowledge of the University's operations and procedures. Skills in the use and development of data and information systems oriented towards academic management are desirable. The incumbent will also possess initiative, tact, the ability to relate well to others, excellent communication skills, and the desire to enter imaginatively and collaboratively into innovation, renewal, and change.

This is a senior Administrative Professional Officer position

with a salary range of \$39,858 to \$59,802.

Applications, including a curriculum vitae or résumé and the names of three references, should be forwarded to Dean Patricia Clements, Faculty of Arts University of Alberta, Edmonton, Alberta T6G 2E6, and will be accepted until 4 January 1991.

SUPPORT STAFF

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 30 November 1990. For a more up-to-date listing, please consult the weekly *Employment Opportunities Bulletin* and/or the postings in *PSSR*.

Positions available as of 30 November 1990.

The limited number of vacancies is a result of the current Support Staff hiring freeze.

The following positions retain salary rates in accordance with the old classification system and pay plan.

CLERK STENO II (Trust), Anatomy and Cell Biology, (\$1,350 - \$1,677)

ACCOUNTS CLERK (Part-Time/Trust), Surgical-Medical Research Institute, (\$1,006 - \$1,286 prorated)

TECHNOLOGIST I (Part-Time/Trust/Term to 31 December 1991), Zoology, (\$14.13 - \$18.23/hour)

TECHNOLOGIST I (Trust), Anatomy and Cell Biology, (\$2,143 - \$2,765)

TECHNOLOGIST I/II (Trust), Genetics, (\$2,143 - \$3,018)

PROGRAMMER ANALYST II (Trust/Term to 31 March 1991), Computing Science, (\$2,537 - \$3,297)

ADS

ACCOMMODATIONS AVAILABLE

VICTORIA PROPERTIES - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call (604) 595-3200, Lois Dutton, Re/Max Ports West, Victoria, BC.

VICTORIA BOUND? Relocating, investing. Ronn Bence, 438-1575. Maps, listings, information. Re/Max Realty.

SALE - Two storey and bungalows, walking distance to University. Ron Haddad, Metro City Realty, 454-7020.

SALE - South side, cityscape, California open, multilevel semidetached overlooking river valley and downtown. Fireplace, jacuzzi, nanny suite. \$164,900. Joe Clare, Homelife/Allan Realty, 466-4663.

CURRENTS

FAREWELL RECEPTION FOR ALLAN WARRACK

Members of the University community are cordially invited to a reception Friday, 7 December, at 3:30 pm at University House, in honor of Allan and Jean Warrack. Dr Warrack is stepping down from his position as Vice-President (Administration) on 31 December.

Friends and colleagues of the Warracks are invited to join President Davenport in giving the couple a good sendoff.

Those wishing to mark the occasion with a gift for the Warracks are invited to send contributions to Ellen Solomon at 2-1 University Hall. Cheques may be made payable to the Allan and Jean Warrack Gift Fund.

OPEN HOUSE FOR APOs

All Administrative Professional Officers are cordially invited to attend an open house Wednesday, 12 December, from 4 to 6 pm at University House, 11515 Saskatchewan Drive.

CAPITAL EQUIPMENT PURCHASES

A program exists to provide the carry-over of unspent capital equipment funds into the next budget year. This carry-over is limited to the lesser of 15 percent of the departmental capital equipment budget or \$50,000. Where the balance of unexpended funds is sufficient, commitments incurred by purchase orders placed before 31 December 1990 will be allocated a carry-over equivalent to the amount of the commitment.

Where the balance of the unexpended and/or uncommitted capital equipment budget is currently in excess of the foregoing limits, staff are urged to place the purchase orders for their further needs now to help ensure that delivery is effected before 31 March 1991. The program will not provide a carry-over in relation to commitments by purchase orders placed later than 31 December 1990 other than in instances where a well-documented justification of circumstances merits exception.

Application for exceptions should be submitted to the attention of D Grover, Office of the Comptroller (telephone 492-5894). Final approval on capital equipment carry-overs remains with the Associate Vice-President (Facilities), Dr DG Bellow.

Unexpended funds in excess of the limiting factors will lapse into a Capital Equipment Contingency Account.

SIGN LANGUAGE CLASSES

Sign language classes of the noncredit, introductory variety will be held on campus in January. The cost is \$70 per person. Registration is through Disabled Student Services (492-3381).

'Tis the season (for revising schedules)

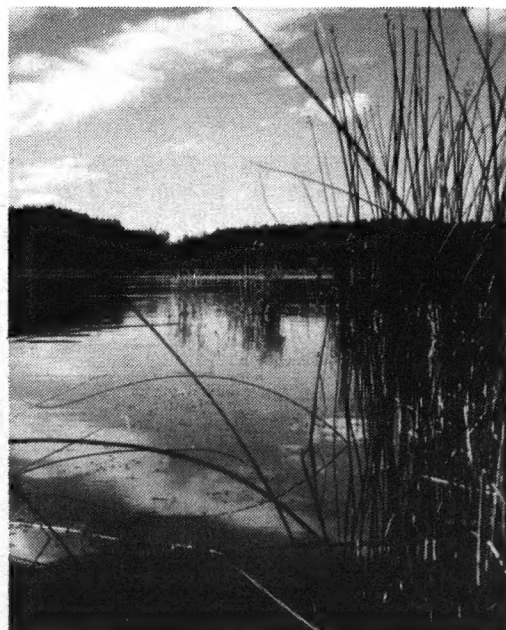
The holiday season necessitates a change to *Folio's* publishing schedule. The last issue of the

year will be published 20 December; the first issue of 1991 will be published 10 January.

The deadlines for submission of copy for these issues are 13 December (9 am) and 3 January (9 am), respectively. Display advertising deadlines are 12 December (3 pm) and 2 January (3 pm); classified advertising deadlines are 13 December (3 pm) and 3 January (3 pm).

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EDITED BY
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SALE BY OWNER - Grandview, 2,436' multilevel on 12,700' lot. Architect and landscape architect. Sunroom, jacuzzi, many upgrades. Reduced to \$255,000. 988-8173, 12919 64 Avenue. Open 8-9 December.

RENT - Above Grandview home if not sold in December. For January-June (flexible). Partly furnished or furnished. \$1,500-\$1,600. Four bedrooms, study, living room, three baths. 988-8173.

SALE - Two bedroom condominium, \$49,500. Situated in parklike setting near campus. Very clean. Appliances, lovely westward view. Affordable, maintenance free lifestyle, ideal for professionals. Hugh Moncrieff, Re/Max Real Estate, 438-1575.

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SALE - Lakefront, Wabamun, north shore, furnished cottage. Lot 100' x 207'. Chris Tenove, 435-0808, 433-5664, Spencer Realty.

SALE - Revenue or home with suite. Six appliances. \$74,900. Chris Tenove, 435-0808, 433-5664, Spencer Realty.

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PROFESSIONAL will housesit. References. Call Mark, 454-0634.

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